

SUMMARY

The invention provides a single-mode optical fiber microlens with an anamorphic means of convergence, which has a core (2) and cladding (4), the core (2) extending along the central axis (3) of the optical fiber, at the tip of which there is a wedge shape with slanting faces is formed on the tip of the optical fiber 1 that faces the light source or radiated beam, as well as 2nd inclines at the angle  $\theta$  to a plane perpendicular to the central axis of the optical fiber and lengthwise to the wedge-shaped tip.